

CLAIMS

I claim:

1. A system for reconstruction of natural torque between a natural knee joint and natural hip area, in an arrangement between an artificial knee joint and the natural hip area, after partial resection of natural condyles of the knee joint in a horizontal cut of a femur, comprising:

a saw jig (2) in a form of an exact parallelepiped block, which is penetrated by saw slits (16, 17, 18) for production of perpendicular cuts ventrally and dorsally, as well as diagonal cuts, the saw jig being placeable with a front side against the horizontal cut of the femur (13) and detachably fixed there, having a central opening (19), and being provided with a coupling for detachable coupling to a rotational jig (1), which grips over the saw jig (2) and has at least one contact plate (3) protruding toward the femur, for dorsally situated, point-like seating on each of two dorsal femur condyle rolls;

an intramedullary spike (11), pivotably connectable with the rotational jig (1) at the femur, for insertion into the femur bone canal, wherein the saw jig (2) is threadable on the intramedullary spike (11) and then couplable with the rotational jig (1), and wherein the intramedullary spike (11) forms a pivot axis for the saw jig (2), about which the saw jig is pivotable in a range of $\pm 10^\circ$ about the horizontal;

a drive mechanism (14) which pivots the saw jig (2) about the horizontal, and

a limb (7) pointing toward the femur and being detachably connectable with a functional unit comprising the saw jig (2) and the rotational jig (1), the limb having on its end a ventral femur contact probe (6) in a form of a pin (8) standing perpendicularly on the limb (7), for ventrally situated seating on the femur (13).

2. The system according to claim 1, wherein the intramedullary spike (11) is linked to the rotational jig (1) by a cone-fit seating.

25 3. The system according to claim 1, wherein the drive mechanism (14) of the rotational jig is continuously adjustable.

4. The system according to claim 3, wherein the drive mechanism (14) snaps into predetermined adjustment positions.

5. The system according to claim 1, wherein the saw jig (2) has additional fasteners (20) for temporary fixing on the femur.